

# EPO-TEK® 930

Epoxy; Epoxide

Epoxy Technology Inc.

## Message:

A two-part thermally conductive epoxy for heat sinking electronics and hybrids. It can be used at the PCB level for circuit assembly.

General Information		
Features	Thermally Conductive	
Uses	Electrical/Electronic Applications	
	Printed Circuit Boards	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Physical	Nominal Value	Unit
Particle Size	< 500	µm
Degradation Temperature	350	°C
Die Shear Strength - >5 kg (23°C)	11.7	MPa
Operating Temperature		
Continuous	-55 to 150	°C
Intermittent	-55 to 250	°C
Storage Modulus (23°C)	9.06	GPa
Weight Loss on Heating (300°C)	0.86	%
Thermal	Nominal Value	Unit
Glass Transition Temperature <sup>1</sup>	> 90.0	°C
CLTE - Flow		
-- <sup>2</sup>	1.6E-5	cm/cm/°C
-- <sup>3</sup>	8.1E-5	cm/cm/°C
Thermal Conductivity	4.6	W/m/K
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 3.3	
Shelf Life (23°C)	52	wk
Uncured Properties	Nominal Value	Unit
Color		
-- <sup>4</sup>	Amber	

-- 5	White	
Density		
Part B	1.02	g/cm <sup>3</sup>
Part A	1.66	g/cm <sup>3</sup>
Viscosity (23°C)	> 820	Pa·s
Curing Time (150°C)	1.0	hr
Pot Life	360	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	82	
Lap Shear Strength (23°C)	4.54	MPa
Relative Permittivity (1 kHz)	3.96	
Volume Resistivity (23°C)	> 2.0E+13	ohms·cm
Dissipation Factor (1 kHz)	6.0E-3	
NOTE		
1.	Dynamic Cure 20-200°C/ISO 25 Min; Ramp -10-200°C @ 20°C/Min	
2.	Below Tg	
3.	Above Tg	
4.	Part B	
5.	Part A	

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